MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

October, 1945

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

OCTOBER 1945

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	*8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.1	60.6	60.8	60.8	29.4	23.4	24.9	29.4	24.9	26.4
2	1.4	1.7	2.2	1.8	29.9	21.0	23.7	28.4	23.9	25.3
3	2.5	2.2	2.6	2.4	29.9	20.8	24.3	28.8	22.8	25.3
4	3.9	3.4	3.9	3.7	28.3	20.7	22.9	28.1	22.8	24.6
5	3.8	2.9	3.2	3.3	29.3	21.1	24.3	28.4	23.9	25.5
6	63.1	62.0	63.1	62.7	28.4	21.1	21.9	27.8	23.9	24.6
7	1.2	3.0	2.8	2.3	29.0	20.8	22.2	28.3	24.9	25.1
8	2.2	0.9	0.0	1.0	31.8	24.3	25.1	31.6	27.1	27.9
9	59.1	59.1	59.9	59.4	30.6	22.9	25.3	29.9	25.1	26.8
10	61.3	61.7	62.0	61.7	26.6	20.1	23.7	25.9	21.1	23.6
11	62.4	62.1	62.8	62.4	27.2	20.5	21.6	26.1	22.3	23.3
12	2.4	1.0	1.0	1.5	27.3	20.9	22.1	27.1	23.8	24.3
13	1.4	0.7	1.3	1.1	27.6	21.4	22.9	26.1	23.3	24.1
14	1.6	1.1	1.7	1.5	26.8	20.5	22.2	26.2	22.2	23.5
15	1.8	1.9	2.6	2.1	26.6	20.0	22.7	25.8	21.6	23.4
16	62.9	62.0	62.1	62.3	26.6	20.1	22.3	26.0	22.6	23.6
17	2.2	1.2	1.6	1.7	26.0	19.2	21.6	25.5	21.5	22.9
18	2.8	1.7	2.1	2.2	26.0	18.9	21.0	25.5	21.5	22.7
19	2.6	1.9	2.7	2.4	25.8	19.0	20.6	25.5	21.6	22.6
20	3.2	2.1	2.6	2.6	25.1	18.6	21.1	24.7	21.1	22.3
21	61.9	61.1	61.2	61.4	26.0	19.2	20.2	24.7	21.8	22.2
22	1.6	1.6	2.5	1.9	25.4	18.2	21.6	24.9	20.5	22.3
23	3.2	3.9	3.9	3.7	24.7	19.5	19.6	22.4	20.5	20.8
24	4.0	3.0	3.6	3.5	25.4	19.2	20.5	25.1	21.1	22.2
25	3.9	3.0	2.7	3.2	25 6	19.9	20.4	25.2	22.8	22.8
26	62.0	60.9	60.6	61.2	26.5	19.4	21.2	26.3	22.3	23.3
27	1.4	1.1	1.4	1.3	25.3	18.4	21.1	24.8	20.4	22.1
28	2.9	2.7	3.2	2.9	24.1	17.8	19.8	23.9	19.8	21.2
29	3.3	2.1	1.4	2.3	24.1	19.2	19.3	23.8	21.4	21.5
30	1.3	0.4	1.1	0.9	25.2	19.6	20.6	24.8	23.2	22 9
31	2.6	2.1	2.8	2.5	25.7	18.6	20.6	25.6	23.6	23.3
	62.29	61.77	62.10	62.05	26.94	20.13	21.97	26.34	22.55	23.62

Barometer, range for month 764.0 — 759.1 mm.
,, 62-yr. average for month 761.39 mm.
Thermometer, range for month 29.9°C. — 17.8°C
,, 62-yr. average for month 24.53° C.
Rain, total for month 3.81 m.m.
,, 62-yr. average for month 49.28 m.m.
,, Total, Sept. 1st. to end of month 3.81 mm.
,, 62-yr. average, Sept. 1st. to end of month 55.88 mm.

* Summer Time

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.2	16.0	13.8	14.7	61	53	59	58	9.0	406.0	
2	13.8	16.0	16.4	15.4	63	55	62	60	9.1	320.0	
3	13.8	13.5	13.7	13.7	62	46	67	58	9.2	174.0	
4	13.5	14.3	15.4	14.4	65	51	75	64	9.4	319.0	
5	15.5	17.4	14.0	15.6	69	60	64	64	8.7	507.0	
6	14.8	14.1	13.6	14.2	75	51	61	62	8.6	322.0	0.25
7	14.0	16.4	18.0	16.1	70	57	77	68	9.3	209.0	
8	17.3	19.6	20.6	19.2	73	57	78	69	9.4	560.0	
9	19.7	20.1	17.7	19.2	82	64	74	73	9.4	322.0	
10	13.8	12.8	11.4	12.7	63	51	61	58	5.3	398.0	
11	11.1	12.8	11.9	11.9	58	51	58	56	9.5	620.0	
12	11.9	12.8	13.0	12.6	60	48	58	55	9.5	598.0	
13	13.5	14.4	13.3	13.7	65	47	62	61	8.6	428.0	
14	13.6	11.9	13.2	12.9	68	47	66	60	8.8	277.0	
15	11.4	11.8	11.8	11.7	55	48	62	55	9.4	164.0	
16	11.0	11.8	12.3	11.7	55	47	60	54	9.1	534.0	
17	11.9	13.1	13.6	12.9	61	54	71	62	9.4	343.0	
18	11.6	13.1	13.6	12.8	63	54	71	63	9.1	248.0	
19	11.7	12.9	12.6	12.4	65	53	66	61	9.3	257.0	
20	12.2	12.1	11.7	12.0	66	52	63	60	9.2	463.0	
21	10.9	13.6	14.2	12.9	61	59	73	64	8.1	446.0	
22	13.0	12.5	13.1	12.9	67	53	73	64	9.1	320.0	1.02
23	9.8	8.9	13.7	10.8	57	44	77	59	9.0	378.0	
24	11.0	12.3	12.2	11.8	60	53	66	60	9.1	180.0	
25	11.1	14.0	12.7	12.6	62	58	62	61	9.1	444.0	
26	11.7	14.1	12.3	12.7	64	55	60	60	9.0	277.0	
27	13.3	13.3	14.2	13.6	71	57	80	69	8.7	507.0	
28	12.5	12.2	12.6	12.4	72	55	73	67	7.8	148.0	2.54
29	11.6	13.1	13.6	12.8	69	58	71	66	9.2	496.0	
30	7.9	14.2	14.2	12.1	73	61	67	67	9.2	486.0	
31	10.9	13.1	11.6	11.9	60	54	50	55	9.1	330.0	
	12.70	13.81	13.74	13.42	65.0	53.6	66.6	61.7	8.92	370.3	0.12

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 3 hours equals G.C.T.
62 vear averages are for period, 1875-1936

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Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu	0	7cu	3.3	1sw	2sw	2sw	slight	
2	0	8cu	10cu	6.0	1sw	2sw	0	calm	
3	5cu	1cu	1cu	2.3	0	1sw	0	„	
4	2cu	0	0	0.7	1sw	1w	0	light	
5	2cu	3cu	2cu	2.3	1sw	3sw	2sw	slight	
6	9cu-ni	0	3cu	4.0	1sw	2sw	1sw	slight	
7	0	0	0	0.0	1s	1sw	1sw	light	
8	0	0	1cu	0.3	0	1ne	3ne	„	
9	0	1cu	6cu	2.3	1ne	2ne	2w	slight	
10	9cu	6cu	0	5.0	2sw	1sw	0	„	
11	0	0	0	0.0	1e	4ne	1n	slight	
12	0	0	0	0.0	2ne	2ne	1ne	„	
13	7cu	2cu	7cu	5.3	0	3ne	1n	„	
14	10cu	0	8cu	6.0	1w	1sw	0	calm	Fr. a. m.
15	8cu	0	9cu	5.7	0	1sw	0	„	
16	8cu	2cu	6cu	5.3	1sw	1w	1sw	calm	
17	1cu	4cu	1cu	2.0	0	2sw	1sw	light	
18	1cu	0	8cu	3.0	1sw	1nw	1sw	calm	H. a. m.
19	1cu	2cu	1cu	1.3	1nw	2sw	0	„	
20	4cu	0	3cu	2.3	0	2sw	0	slight	
21	1cu	10cu	8cu	6.3	1n	2sw	0	calm	
22	2cu	1cu	4cu	2.3	1sw	1sw	0	light	
23	1cu	7ci	0	2.7	1s	1s	1s	„	
24	0	0	0	0.0	0	1s	0	„	
25	0	0	0	0.0	1s	0	0	„	
26	7ci-cu	0	0	2.3	0	1sw	0	calm	
27	1cu	1cu	9ni	3.7	1s	1sw	1sw	light	
28	3cu	0	0	1.0	1sw	1w	0	„	
29	0	0	0	0.0	0	1nw	2n	„	
30	0	0	0	0.0	1ne	1n	0	„	
31	0	0	0	0.0	0	0	2n	sight	
				2.43					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	3	1	0	4	10	1	1	10	31
14:30	1	5	0	0	2	16	3	2	2	31
20:30	4	2	0	0	1	8	1	0	15	31
Totals	6	10	1	0	7	34	5	3	27	93

Number of days with rain 3, fog 0, thunderstorms 0, gale 0.

62 yr. av. days with rain during month 3.5 days